

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE2004/002676

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16C35/067 F16C19/18 B60B27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F16C B60B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 749 416 A (ASBERG S, SW) 31 July 1973 (1973-07-31) column 4, line 1 - line 64; figures 1-6 -----	1,3,6-8
A	GB 2 272 028 A (KABUSHIKI KAISHA * SANKYO SEIKI SEISAKUSHO) 4 May 1994 (1994-05-04) page 6, line 12 - page 9, line 10; figures 1,4 -----	1,6,8
A	WO 95/13198 A (THE TIMKEN COMPANY; DRIVER, RICHARD, CHARLES; WRIGHT, ALAN, JOHN; BURR) 18 May 1995 (1995-05-18) page 7, line 23 - page 9, line 27; figures 4,5 ----- -/-	1,4-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

8 April 2005

Date of mailing of the international search report

22/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 729 252 A (HUEBER ET AL) 8 March 1988 (1988-03-08) column 3, line 4 – column 5, line 15; figures 1,2 -----	1,4,5, 7-9
A	EP 0 561 437 A (SKF INDUSTRIAL TRADING & DEVELOPMENT CO, B.V) 22 September 1993 (1993-09-22) column 5, line 13 – line 25; figure 5 -----	1,3,6-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2004/002676

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 3749416	A 31-07-1973	NL DE DE DE DE FR FR FR FR GB GB GB JP JP JP JP JP SE US	7001649 A 2104929 A1 2104930 A1 2105122 A1 2105123 A1 2079272 A5 2079273 A5 2079274 A1 2078279 A5 1347995 A 1347996 A 1347997 A 54172403 U 60034481 Y2 54172404 U 54172435 U 60034482 Y2 54173403 U 379968 B 3774933 A	09-08-1971 23-09-1971 14-10-1971 03-02-1972 02-09-1971 12-11-1971 12-11-1971 12-11-1971 05-11-1971 27-02-1974 27-02-1974 27-02-1974 05-12-1979 15-10-1985 05-12-1979 05-12-1979 15-10-1985 07-12-1979 27-10-1975 27-11-1973
GB 2272028	A 04-05-1994	JP JP CN	2578623 Y2 6036340 U 1086933 A ,C	13-08-1998 13-05-1994 18-05-1994
WO 9513198	A 18-05-1995	WO	9513198 A1	18-05-1995
US 4729252	A 08-03-1988	DE FR GB IT JP	3004316 A1 2475166 A1 2068481 A ,B 1135171 B 56120821 A	27-08-1981 07-08-1981 12-08-1981 20-08-1986 22-09-1981
EP 0561437	A 22-09-1993	NL DE DE EP ES JP JP US	9200511 A 69303076 D1 69303076 T2 0561437 A1 2088217 T3 2593837 B2 8028577 A 5486053 A	18-10-1993 18-07-1996 28-11-1996 22-09-1993 01-08-1996 26-03-1997 02-02-1996 23-01-1996